Harish Subrahmanyam Maddukuri

Summary

An enthusiastic self-starter with strong communication and leadership skills. Proven academic and circular achievements and possess the right technical and soft skills required to propel the organization achieving its goals and objectives. Being a constant and enthusiastic learner, I'm very much interested to learn and work with offshore wind turbines/power.

Skills

MATLAB/SIMULINK | DEWESoft (Data Acquisition Systems) | MS Office | Strong verbal Communication | Self-motivated | Team operative/Leadership | Data Analysis | Failure Analysis| Technical and Performance Analysis| Interpersonal and written communication | ENGLISH language fluency | Report Making and Documentation.

Education

Master's in Energy Engineering graduated in 2019 with 100/110.
Sapienza University of Rome, Rome, Italy.

- Some of the main courses covered in this master's degree program are Power Systems Basics, Smart Grids in Electrical Power Systems, Dynamics of Electrical Machines, Electrical Energy Conversion from Renewable Sources (Wind), Energy Management, Operations Management, Renewable Energy System Design, Introduction to Ocean Energy, Experimental Fluid-Dynamics Advanced Energy Conversion Systems.

Bachelor's in Mechanical Engineering graduated in 2016 with 70% aggregate.
Gudlavalleru Engineering College, India.

- Good Knowledge in Electromechanical background.

Work Experience

CNR-INSEAN The Marine Engineering Institute, Italian National Research Council, Rome, Italy.

Internship (06/2019) - (12/2019)

Experimental testing of the performance of turbines at different operating conditions and Designing simulations with the obtained results to find out safe operating condition and maximum turbine performance by failure analysis.

Projects

Master's Thesis (06/2018) - (02/2019)

"Analysis of Performance of Gravity based Foundation Tidal Turbine".
During this thesis, the performance of 1/25 scaled model of real horizontal axis tidal turbine and its dynamic behavior have been experimentally evaluated at different operating conditions and the best alignment for the turbine to maximize its production has been found out by simulating the results.

Bachelor's Project

"Automated Rain operated Wind shield Wiper".
During this thesis, a model scaled windshield wiper for an automobile which can be turned on while raining has been developed as a group of four students. It can also vary its speed of operation automatically depending upon the amount of rainfall on the windshield.

Courses & Conferences

- Short course on "Model scale testing of tidal energy converters in towing tanks and depressurized channels".
  [held by CNR-INM, The Marine Engineering Institute ,Italian National Research Council]

- Attended a 3-day National level workshop on CFD (Computational Fluid Dynamics) held at K.L University, India.
- Presented a poster of my thesis work at INORE Symposium 2019, Italy.

Languages

English(Native Speaker), Hindi, Telugu, Italian (Intermediate level).

References

Available upon Interest.